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Docket No.: 30990128-03 (1509-127)

Application No.: 09/655,367

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A method of communication between a service external to a network firewall and a client internal to the firewall, comprising the steps of:
    - (a) effecting an HTTP request from the client to the service, this request ~~being a request for data and including an a-request-identifier;~~
    - (b) at the service, in response to said HTTP request for data, establishing a communications socket at the service for communicating ~~the requested data~~ between the service and the client, and recording an association between the ~~request-identifier~~ and said socket;
    - (c) after a predetermined time interval, effecting a further HTTP request from the client to the service, said further HTTP request including said ~~request-identifier~~;
    - (d) at the service, in response to said further HTTP request, closing the communications socket indicated in said association, opening a new communications socket at the service for communicating data between said service and the client, and updating said association to associate the new communications socket with said ~~request-identifier~~; and
    - (e) repeating steps (c) and (d) while access between the service and the client is to continue;  
~~until said request for data has been satisfied;~~
- the service providing ~~the requested data~~ to the client via the communications socket currently

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associated with said ~~request~~-identifier by said association.

2. (Previously presented) The method of claim 1, wherein the predetermined time interval is set with reference to a specific time interval after which a proxy server on the client-side of the firewall is arranged to enforce termination of a communications socket through which the service communicates with the client, said predetermined time interval being set to be less than said specific time interval.

3. (Canceled)

4. (Canceled)

5. (Previously presented) The method of claim 1, wherein the HTTP requests are GET operations.

6. (Cancelled)

7. (Cancelled)

8. (Previously presented) Apparatus for communicating with a service via a proxy server arranged to force, after a specific time interval, termination of a communications socket through which communication between the apparatus and the service takes place, said apparatus comprising:

a communications interface for interfacing the apparatus with a network;

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a first control arrangement for using the communications interface to effect a first HTTP GET operation with respect to said service, thereby to cause the latter to establish a communications socket for communicating data between the service and the client, said GET operation being arranged to pass a globally unique identifier to the service;

a second control arrangement for using the communications interface to repeatedly effect another GET operation sending said globally unique identifier to said service for a predetermined time interval, less than said specific time interval, after a most recent GET operation effected by the apparatus with respect to said service, thereby to cause the service to close said existing communications socket and to open a new communications socket for communicating data between said service and the client; and

a third control arrangement for causing the second control arrangement to terminate its operation when access between the service and the client is no longer required.

9-12. (Cancelled)

13. (Currently amended) A server comprising:

a communications interface for receiving HTTP requests from a client;

a first control arrangement arranged to identify HTTP requests of a first type and of a second type where each of these request types includes a globally-unique identifier ~~and each request of said first type is a request for data;~~

a second control arrangement arranged to respond to an HTTP request of said first type by establishing a communications socket at the server for communicating the requested data

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between the server and the client, and by recording an association between the identifier included in the HTTP request and the communications socket;

a third control arrangement arranged to respond to an HTTP request of said second type to close the communications socket indicated by the said association recorded in respect of the identifier included in the HTTP request, the third control arrangement being further arranged to open a new communications socket at the server for communicating data between the server and the client, and to update said association to associate said identifier with the new communications socket; and

a fourth control arrangement arranged to ~~respond to the request for data included in an HTTP request of said first type by providing the requested~~ provide data to the client via the communications socket currently associated with the identifier in the HTTP request by the corresponding said association.